

Title (en)
Pressure medium valve.

Title (de)
Druckmediumventil.

Title (fr)
Soupape pour fluide sous pression.

Publication
EP 0314653 A1 19890503 (EN)

Application
EP 88850357 A 19881021

Priority
SE 8704177 A 19871027

Abstract (en)
Pressure medium valve having a valve piston located in a valve housing for control of a main pressure medium flow through the valve by the aid of a pilot flow through a variable pilot flow restriction disposed in the valve piston, said pilot flow deriving from the main pressure medium flow and being controllable by means of a control pilot valve. To achieve temperature independent control without area increase in the pilot flow chambers is besides said restriction (17) in the pilot flow direction in front thereof arranged an additional restriction between the valve piston (2) and the cylindrical wall (15) surrounding the valve piston of the valve housing, said restriction having the form of a peripheral clearance (11) of a substantially greater axial length than height.

IPC 1-7
F15B 13/042; F16K 31/383

IPC 8 full level
F16K 31/383 (2006.01); **F15B 13/04** (2006.01); **F15B 13/042** (2006.01); **F16K 31/363** (2006.01); **G05D 7/01** (2006.01); **G05D 23/00** (2006.01)

CPC (source: EP US)
F15B 13/0405 (2013.01 - EP US); **F16K 31/363** (2013.01 - EP US)

Citation (search report)
EP 0100973 A1 19840222 - DEERE & CO [US]

Cited by
GB2335511A; GB2335511B; US6192936B1; WO2006131305A1; WO03036142A1

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AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
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EP 88850357 A 19881021; AT 88850357 T 19881021; DE 3867597 T 19881021; ES 88850357 T 19881021; FI 884928 A 19881025; GR 920400208 T 19920211; JP 26838588 A 19881026; SE 8704177 A 19871027; US 26340688 A 19881027